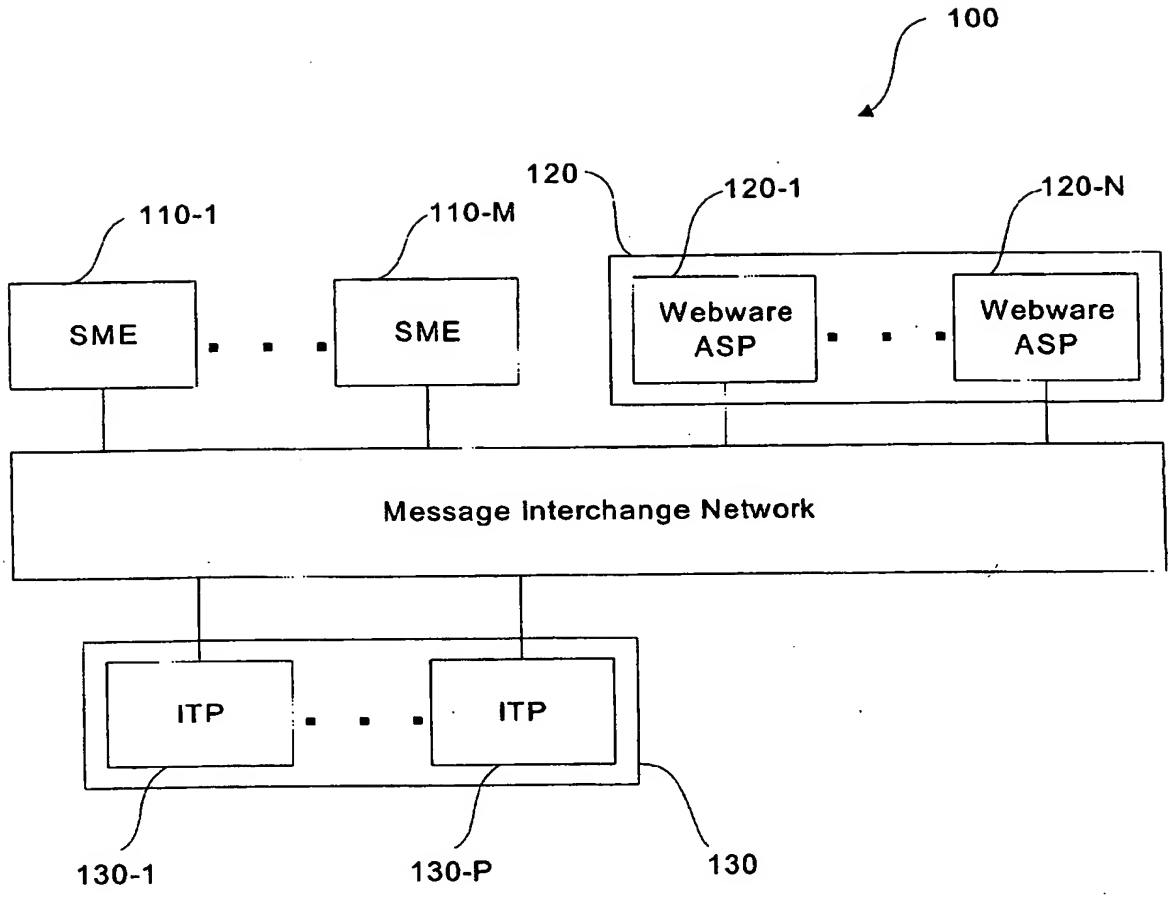
100
120
120-1
120-N
110-1
110-M
SME
SME
Webware ASP
Webware ASP
Message Interchange Network
ITP
ITP
130-1
130-P
130

FIG. 1

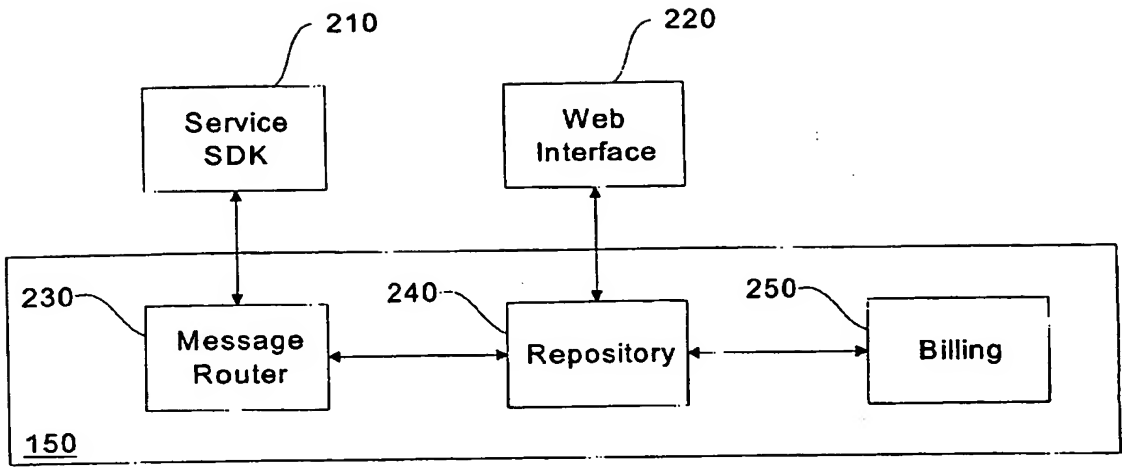
210
220
Service SDK
Web Interface
230
240
250
Message Router
Repository
Billing
150

FIG. 2

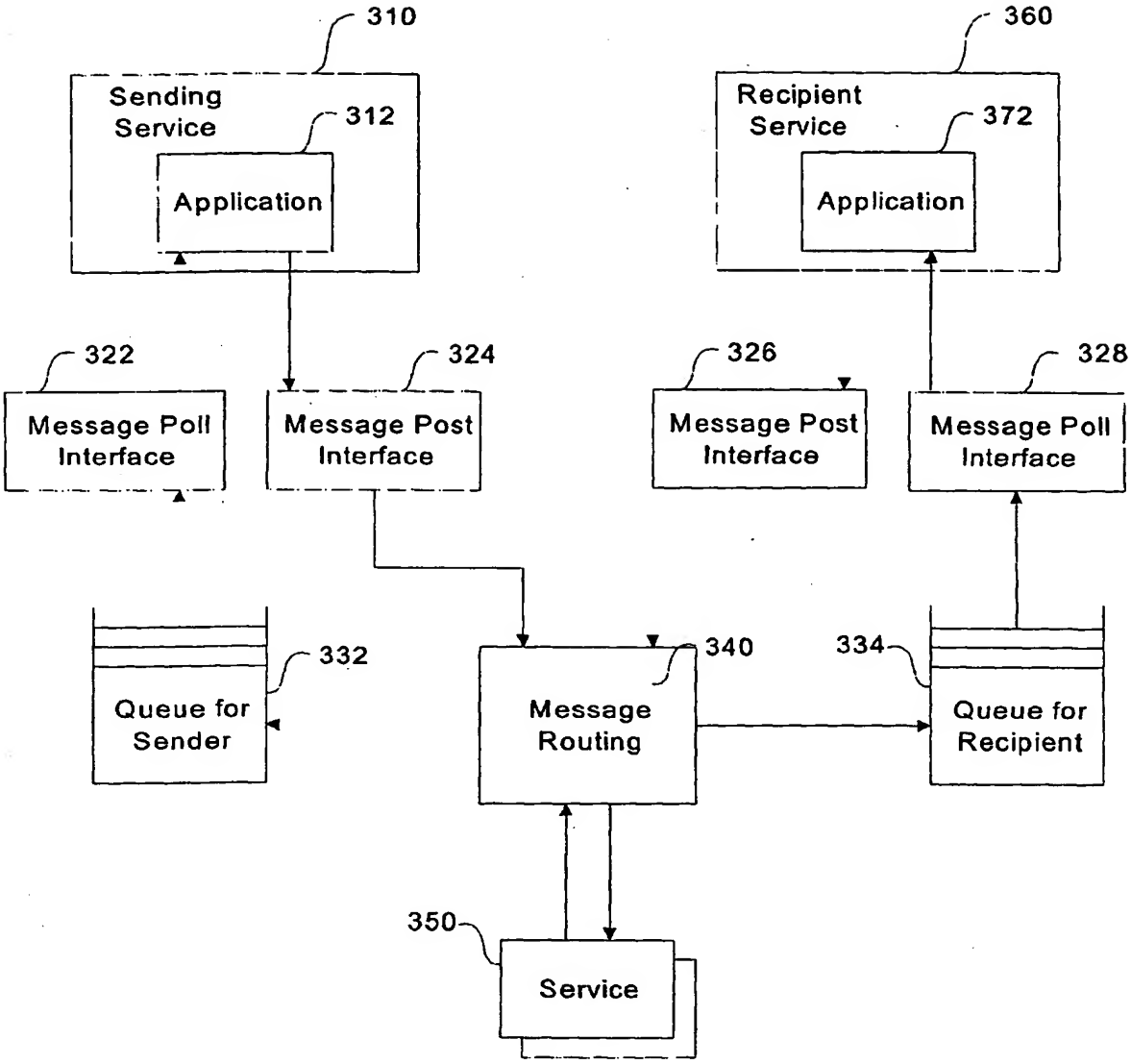
310
Sending Service
312
Application
360
Recipient Service
372
Application
322
Message Poll Interface
324
Message Post Interface
326
Message Post Interface
328
Message Poll Interface
332
Queue for Sender
340
Message Routing
334
Queue for Recipient
350
Service

FIG. 3

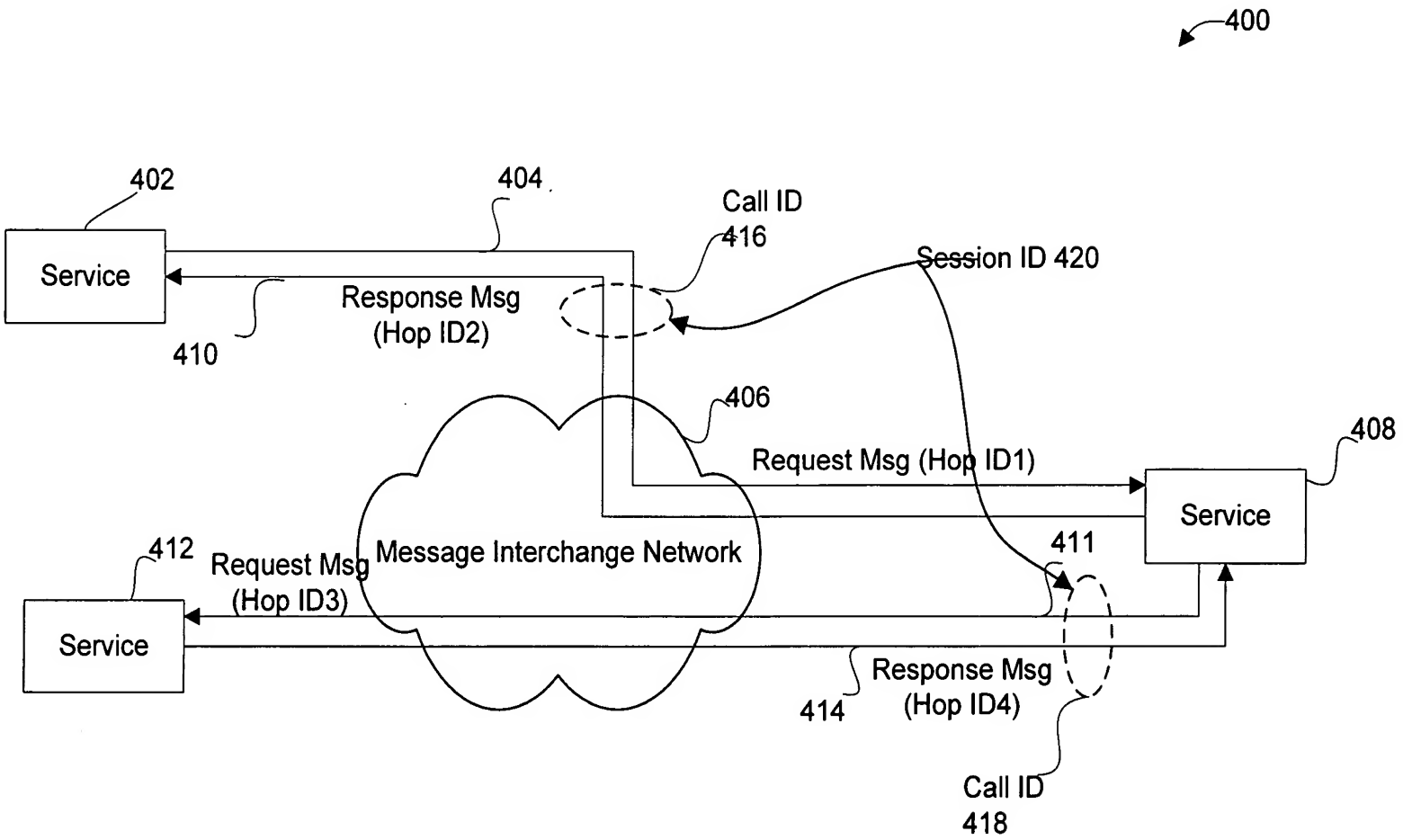
400
402
404
Call ID
416
Service
Session ID 420
Response Msg
(Hop ID2)
410
406
408
Request Msg (Hop ID1)
Service
412
Request Msg
(Hop ID3)
Message Interchange Network
411
Service
Response Msg
(Hop ID4)
414
Call ID
418

FIG. 4A

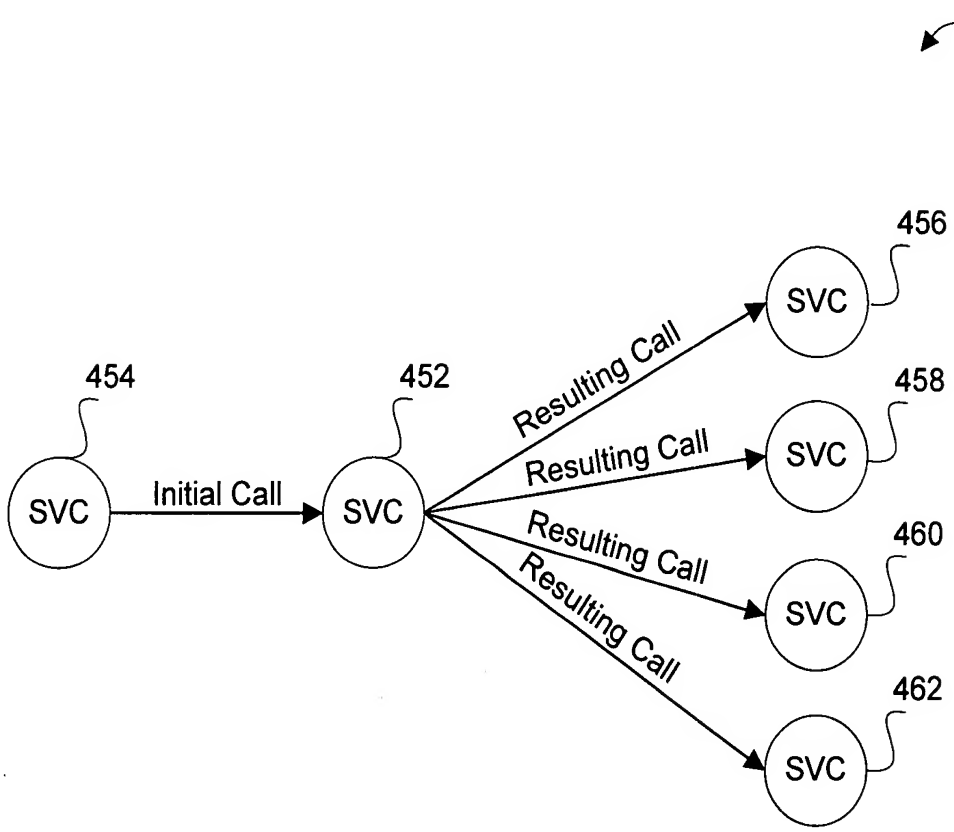
450
454
452
456
458
460
462
SVC
SVC
SVC
SVC
SVC
Initial Call
Resulting Call
Resulting Call
Resulting Call
Resulting Call

FIG. 4B

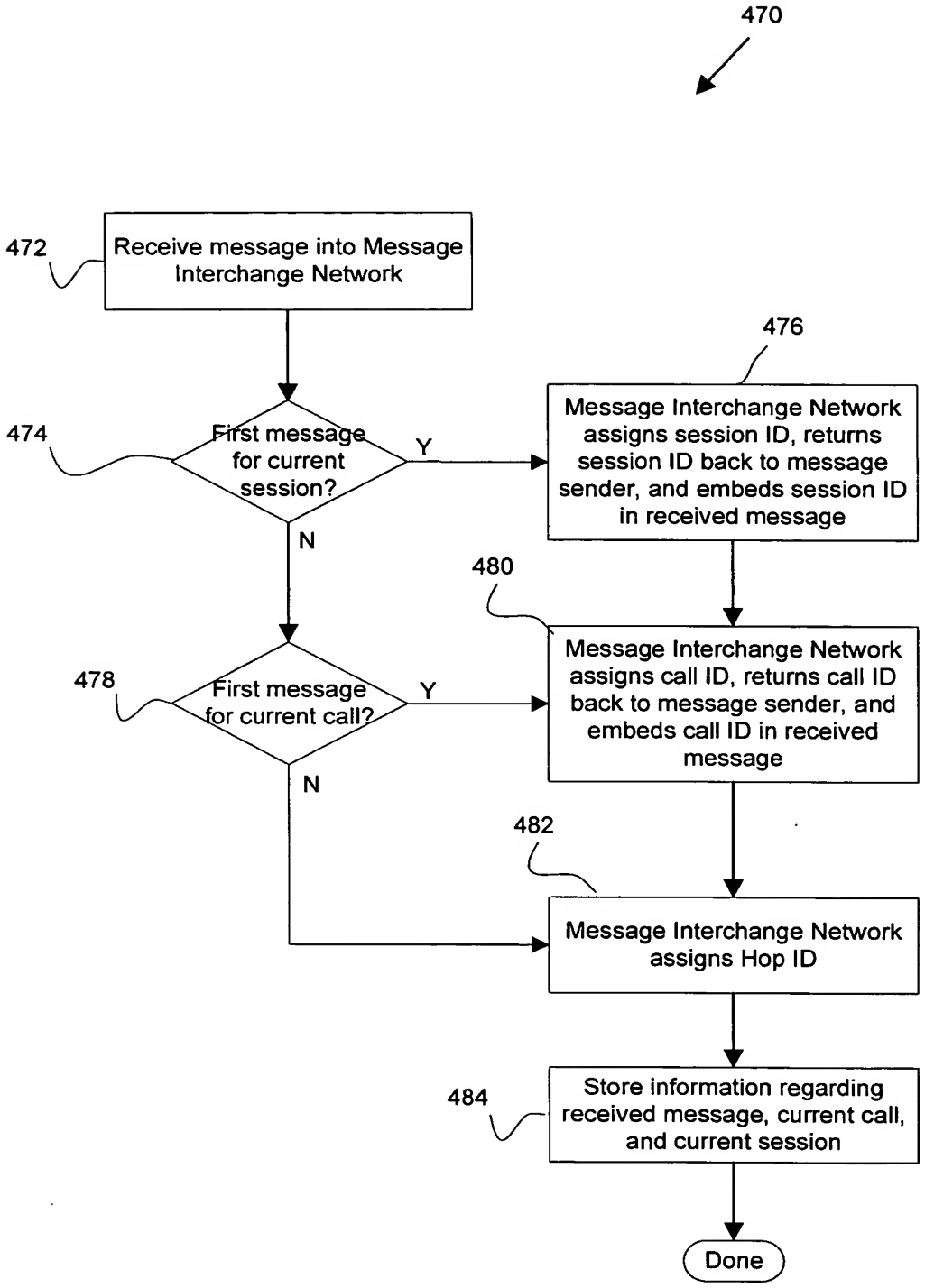
470
472
Receive message into Message Interchange Network
474
First message for current session?
Y
N
476
Message Interchange Network assigns session ID, returns session ID back to message sender, and embeds session ID in received message
478
First message for current call?
Y
N
480
Message Interchange Network assigns call ID, returns call ID back to message sender, and embeds call ID in received message
482
Message Interchange Network assigns Hop ID
484
Store information regarding received message, current call, and current session
Done

FIG. 4C

490

Hop ID	Message Info	Call ID	Session ID
hop1	info1	call1	session1
hop2	info2	call1	session1
hop3	info3	call2	session1
hop4	info4	call3	session2

492

Call ID	Call Info
call1	info1
call2	info2
call3	info3
call4	info4

494

Session ID	Session Info
session1	info1
session2	info2
session3	info3
session4	info4

FIG. 4D

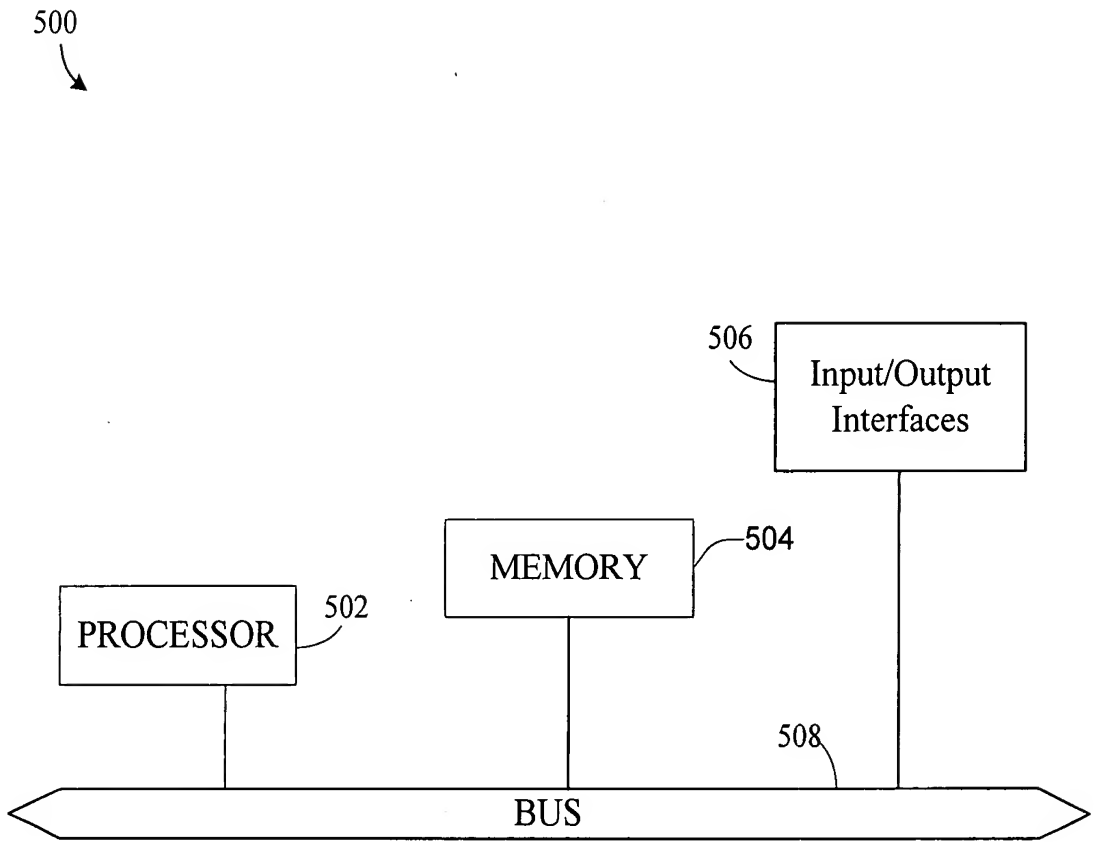
500
506
Input/Output
Interfaces
MEMORY
504
PROCESSOR
502
508
BUS

Figure 5